3GPP TSG-RAN WG3 Meeting #129 R3-25xxxx

Bengaluru, India, 25 – 29 August 2025

**Agenda Item:** 3

**Source:** RAN3 Chair

**Title:** Agenda

**Document for:** Approval

# Agenda

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| **Tdoc** | **Title** | **Comments** |
| 1. Opening of the meeting | | |
| 2. Reminders | | |
| 2.1. IPR Declaration[*https://www.3gpp.org/about-us/legal-matters/call-for-ipr*](https://www.3gpp.org/about-us/legal-matters/call-for-ipr) | | |
| I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.  Delegates are asked to take note that they are thereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become, essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms (see: <http://ipr.etsi.org/>). | | |
| 2.2. Statement of Antitrust Compliance [*https://www.3gpp.org/about-us/legal-matters/statement-regarding-competition-law*](https://www.3gpp.org/about-us/legal-matters/statement-regarding-competition-law) | | |
| I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG/SWG meeting including the Chair and Vice Chairs. In case of question I recommend that you contact your legal counsel.  The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.  Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG/SWG meetings is important to allow for full and fair consideration of such matters. | | |
| 2.3. Consensus Principles | | |
| The attention of the delegates to the meeting is drawn to the fact that 3GPP endeavours to reach consensus on all decisions and therefore depends on a cooperative spirit of the Individual Members. In particular, Individual Members are encouraged to seek a consensus-based solution and only to sustain objections as a very last resort, and where absolutely necessary and well justified. The leadership will conduct the present meeting in a manner whereby informal methods of reaching consensus are encouraged, whilst ensuring that well justified concerns are taken into account. | | |
| 2.4. Responsible IT Behavior [*http://www.3gpp.org/ftp/PCG/PCG\_27/DOCS/PCG27\_13r1.zip*](http://www.3gpp.org/ftp/PCG/PCG_27/DOCS/PCG27_13r1.zip) | | |
| We all share meeting IT resources with one another. Delegates should restrict their IT usage to things which are essential for the meeting, and they:   1. shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws. 2. shall not engage in non-work-related activities that consume excessive bandwidth or cause significant network performance degradation.   And most importantly:  **1. DON’T place your WiFi device in ad-hoc mode;**  **2. DON’T set up a personal hotspot in the meeting room;**  **3. DO try 802.11a if your device supports it;**  **4. DON’T manually allocate an IP address;**  **5. DON’T stream video, play online games, or download huge files;**  **6. DON’T use packet probing software (e.g., packet sniffers or port scanners) which clogs the local network.** | | |
| 2.5. Additional reminders | | |
| **This is an ordinary face-to-face meeting with 1-way remote access.**  1. All agreed TDocs must be provided during the meeting week, i.e., BEFORE the end of the meeting. In order to continue with the principle of “agreed unseen”, please ensure that all such TDocs are uploaded in time and reflect exactly the agreed changes.  2. During physical meetings, prefer face-to-face offline discussion to e-mail discussion.  3. When a CB is set up, e.g.:  **CB: # 1\_Name**  **- topics of the offline discussion**  (Company Owner - moderator)  Rev in R3-xxxxxx  Summary of offline disc R3-xxxxxy   1. Create a folder in “Inbox/Drafts/**1\_Name**” with the assigned CB number (**1**) and name; 2. Upload all drafts, corrections, revisions, etc. in the same folder “Inbox/Drafts/**1\_Name**”; 3. Avoid sending drafts via e-mail or on the reflector! 4. When sending e-mails, do not attach any document, and please minimize e-mail discussion (e.g. it is enough to announce start of discussion, availability of drafts on server, support for a document, discussion conclusion). 5. It is highly beneficial if the summary of offline discussion contains proposals for “official” group conclusions, e.g. “propose to agree R3-xxxxxx”, “propose to agree that….”, “no agreement”, “to be continued”, etc.   4. To encourage the use of pCRs, if there are discussion papers and pCRs from the same company on the same topic, only the pCRs will be treated.  5. Papers submitted to the wrong AI will not be treated.  6. When subsections are available, please do not submit papers to the “top level” AI. If you think none of the available subsections fits your contribution, then it should go to the “Others” subsection. Any papers submitted to the “top level” AIs should not be expected to be treated.  7. To save time, incoming LSs which have no action for RAN3 will not be treated unless they are flagged to the Chair before the start of the meeting.  8. QUOTAS – When a quota is indicated for an Agenda Item, each company may submit up to that number of contributions in total across all its sub-Agenda Items. Please refer to the example at the end of this document. Quota rules are to be maintained [R3-221096](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_114bis-e/Inbox) (revised from [R3-200133](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_107_e/Docs)) and continue to be the basis for working with quotas in RAN3.  9. RAN3 breakout room: Only a CB moderator or SI/WI rapporteur may request the RAN3 breakout room (via MCC), and should follow these guidelines to ensure fair access:   1. The offline session time slot should be announced via the RAN3 email reflector. 2. The maximum total duration of all CBs for a given SI/WI is 2 hours. 3. 1-way remote access may be provided via GoToWebinar (GTW), on a best-effort basis.   Some suggestions for better RAN3 meetings can also be found [here](http://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_AHGs/R3_AH_NR_1706/Docs/R3-172219.zip). | | |
| 3. Approval of the Agenda | | |
| 4. Approval of the minutes from previous meetings | | |
| 5. Documents for immediate consideration *Recording of GoToWebinar/GotoMeeting sessions of the present meeting is strictly prohibited. No individual or entity - including the speakers and/or the authors -may electronically record any portion of the meeting without prior written consent of the Chair and all the meeting participants.**Recording of voice or video at meetings is not used in 3GPP; this applies also to e-Meeting.* | | |
| 6. Organizational topics *RAN3 Vice Chair election will take place on Wednesday August 27th. Further information can be found* [*here*](https://www.3gpp.org/ftp/TSG_RAN/WG3_Iu/TSGR3_129/Inbox/Chairs_Notes/RAN3%23129_election_guidance_v2.docx)*.* | | |
| 7. General, protocol principles and issues *RAN3 Work Plan and Working Procedures:* [*TR 30.531*](http://www.3gpp.org/DynaReport/30531.htm)  *MCC allocates protocol IE IDs, checking with Rapporteurs during CR implementation phase*  *LS reply to CT4 on IANA port allocation agreed in* [*R3-2**1**2800*](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_112-e/Docs/R3-212800.zip)  *Reply LS on Tracking IANA assignment requests in* [*R3-2**3**0802*](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_119/Inbox/R3-230802.zip) | | |
| 8. Incoming LSs | | |
| 8.1. New Incoming LSs | | |
| 8.2. LSin received during the meeting | | |
| 8.3. Left over LSs / pending actions *From RAN3#128 (UAV):*  *The timestamp of the altitude report refers to Time Stamp IE.*  *Introduce a new mandatory IE in User Location Information IE for Timestamp.*  *Whether to introduce Aerial UE Reporting Reference ID?*  *Failure indication of UAV UE flight information reporting:*  *Option 1:*  *Add a new cause value to indicate the NG-RAN node cannot initiate aerial UE altitude reporting in the existing LOCATION REPORTING FAILURE INDICATION message.*  *Add a new IE in the existing LOCATION REPORT message to indicate that the ongoing altitude reporting is stopped.*  *Option 2:*  *Add a new indication to indicate the NG-RAN node cannot initiate aerial UE altitude reporting and the ongoing altitude reporting is stopped in the existing LOCATION REPORTING FAILURE INDICATION message.* | | |
| 9. Corrections to Rel-18 or earlier releases [TU: 0.5] (shared with AI 31)  *Corrections on R16, R17, R18. Only essential corrections are allowed for frozen releases.*  *Corrections related to E1 AP, any mirror CR to TS37.48x should go for REL-17/18 Cat. A CR with proper WI code and fill the “Other core specifications” field to show the corresponding REL-15/16 Cat. F CR with its CR number together with the following notes in the “Other comments” field in the coversheet: “This Cat. A CR to TS 37.48x is a mirror CR of previous release of TS 38.46x.”*  *No REL-17/18 CR to TS 38.46x is needed as TS 38.46x is an empty pointer specification to TS 37.48x since REL-17.* | | |
| 9.1. LTE **QUOTA: 1** | | |
| 9.2. NR **QUOTA: 1**  *e.g., L3 measurements triggered LTM, PEI and emergency PDU session, propagation of MDT Configuration in stage 2…* | | |
| 10. Data Collection for SON\_MDT in NR standalone and MR-DC WI (RAN3-led) WID [NR\_ENDC\_SON\_MDT\_Ph4-Core]: [RP-234038](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_102/Docs/RP-234038.zip) (target: RAN #109) [TU: 1.5]  **QUOTA: 4** | | |
| 10.1. General *Work plan, BL CRs* | | |
| **10.2. MRO Enhancements**  *MRO enhancement for R18 mobility mechanisms, including, Lower layer triggered mobility (LTM), CHO with candidate SCGs, subsequent CPAC [RAN3, RAN2]*  *In cooperation with RAN2*  *From RAN3#128:*  *BFR shortly after successful LTM cell switch to the wrong beam (Case 1):*  *Use DU-CU ACCESS AND MOBILITY INDICATION message for target DU send recovery beam information to the CU. Only one recovery beam information included.*  *Additional Information with recovery beam information from target DU to CU:*   * *CU UE F1AP ID* * *Failure type (for case 1, case 2) in an implicit way or explicit way* * *beam failure indicator in an implicit way or explicit way*   *Use ACCESS AND MOBILITY INDICATION message for CU forward recovery beam information to the source DU. Only one recovery beam information included.*  *Additional Information with recovery beam information from target CU to DU:*   * *Source DU UE F1AP ID* * *Failure type (for case 1, case 2) in an implicit way or explicit way* * *beam failure indicator in an implicit way or explicit way*   *No new failure type for beam failure recovery is needed for TS38.300.*  *The Timer configured in DU (e.g., Tstore\_UE\_cntxt) used for the DU to detect BFR shortly after successful LTM cell switch to the wrong beam is up to implementation.*  *UHI and ping-pong issue:*  *CU informs relevant information to the target DU via CU-DU Cell Switch Notification.*  *Down selection of following solutions:*  *1a: CU provide full UHI list with L1/L3 type to the DU (maximum item number is 16).*  *1b: CU provide full UHI list (except PScell) with L1/L3 type to the DU (maximum item number is 16).*  *2a: CU provide last consecutive L1 entries to the DU.*  *2b: CU provide FFS number of last consecutive L1 entries to the DU.*  *No stage2, work in stage3 with 1a.*  *If the above 1a information is included in F1AP message from CU to DU, the DU may consider the potential mobility issue detected including ping-pong.*  *FFS on the extra indication for ping-pong case.*  *RACHless LTM cell switch failure due to wrong beam (Case 2):*  *Network-based solution for the LTM cell switch failure due to wrong beam using the same signaling flow as for Case1.*  *In case that the source DU selects a wrong beam among candidate beam list, the source DU is responsible for MRO optimization.*  *In case that the target DU provides a wrong candidate beam list, the target DU is responsible for MRO optimization.*  *Target DU needs to send the reconnect/re-established/recovery beam information to CU and CU forwards it to source DU.*  *CU does not need to send the old beam information to source DU.*  *Reply LS to RAN2 on the network based solution for case1 and case2.*  *Work on stage3 semantic description for C-RNTI IE in ACCESS AND MOBILITY INDICATION message.*  *New BL CR for TS38.420 Samsung*  *MRO for CHO with Candidate SCG(s):*  *Reuse the existing “HO too early” and “HO to wrong cell” in case of too early CHO execution and CHO execution to wrong cell.*  *Update the MN node of wrong candidate PSCell list selection for CHO with candidate SCG(s) as candidate or target MN.*  *Handover Report message is not needed for case 7a.*  *In addition to SCGFailureInformation, information needed in the SCG Failure Indication message?*   * *CPC failure type (CPC failure type is needed in case of SCG Failure Indication is sent from the candidate to the source?)*   *MRO for S-CPAC:*  *The setting of the information on previousPSCellId and timeSCGFailure needs to be updated to support the failures due to the following S-CPAC. Work on LS to RAN2.*  *The TP in 10.18.3 Conditional PSCell addition or change failure in R3-253185 to be checked.*  *Whether to enhance UHI in case of S-CPAC?*   * *SCG UHI should be updated to the new serving MN/target SN from source MN during S-CPAC procedure, i.e. Include SCG UHI in SN Reconfiguration Complete message from MN to the target SN*   *Inform the SN(s) about the outcome of mobility events for SN initiated S-CPAC using the SN RELEASE REQUEST or SN RELEASE CONFIRM.*  *RAN3 supports network-based solution for outdated TA.*  *Reusing the same signaling flow as case1 and case2.*  *TA acquisition Type signalling is not needed based on the network-based solution of outdated TA. Work on the LS to RAN2.* | | |
| **10.3. SON/MDT for NTN and Slicing**  *Support of SON/MDT enhancements for [RAN3, RAN2]:*   * *Intra-NTN mobility* * *Network Slicing* | | |
| **10.3.1. Intra-NTN Mobility**  *From RAN3#128:*  *To introduce a geographical area scope for NTN MDT including either reference location/radius or a polygon-based area for NG and Xn.*  *FFS on whether to add the geographical area scope inside or outside the existing area scope IE.*  *FFS on whether the geographical area scope applies to both logged and immediate MDT or only logged MDT.* | | |
| **10.3.2. Network Slicing**  *From RAN3#128:*  **Stop the discussion on enhancement for the slice related SHR in Rel-19.**  *Whether to do enhancement on reporting rejected slice from CN to NG-RAN based on the request from NG-RAN?* | | |
| **10.4. R18 leftovers**  *Support of the leftovers in Rel-18 SON/MDT [RAN3, RAN2]:*   * *RACH optimization for SDT* * *MHI Enhancement for SCG Deactivation/Activation* * *MRO for MR-DC SCG failure*   *From RAN3#128:*  *NW collects the absolute time (i.e. accumulated time) spent in the PSCell with SCG activated state.*  *Add the absolute time with SCG activated in the Last Visited PSCell Information IE.*  *Additional information is not needed for UHI Enhancement for SCG Deactivation/Activation.* | | |
| **11. AI/ML for NG-RAN WI (RAN3-led)**  WID [NR\_AIML\_NGRAN\_enh-Core]: [RP-251245](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs) (target: RAN #109) [TU: 2]  **QUOTA: 6** | | |
| 11.1. General *Work plan, BL CRs* | | |
| 11.2. AI/ML enabled Slicing *Specify data collection enhancements and signaling support within existing NG-RAN interfaces and architecture (including non-split architecture and split architecture) for AI/ML-based Slicing. [RAN3]* | | |
| 11.3. AI/ML enabled Coverage and Capacity Optimization *Specify data collection enhancements and signaling support within existing NG-RAN interfaces and architecture (including non-split architecture and split architecture) for AI/ML-based CCO. [RAN3]*  *From RAN3#128:*  *Adopt Opt2 (gNB-CU directly forwards the received further CCO state of neighbor cells to gNB-DU)*  *Timing information for predicted CCO issue over Xn is not needed?*  *Current mechanism enables the update of predicted CCO issue and/or future CCO state. A new detected CCO issue/a new predicted CCO issue for the same affected cells and beams after a predicted CCO issue will cancel the prediction.*  *Check the scenario whether has the possibility that there will be isolated multiple CCO issues detected for different cells or beams? Specific Cancel towards each CCO issue is needed?*  *Specify mechanisms (F1, Xn) to update/cancel a prediction, no new IE is needed to identify the previous prediction (affected cells and beams will identify the previously signalled issue).*  *Addition of new code-point in predicted coverage modification cause (Xn) / predicted CCO issue (F1), with details FFS.* | | |
| 11.4. R18 leftovers *Support of the Leftovers in Rel-18 AI/ML for NG-RAN [RAN3]:*   * *Mobility Optimization for NR-DC* * *Split architecture support for Rel-18 use cases* * *Continuous MDT collection targeting the same UE across RRC states*   *From RAN3#128:*  *Continuous MDT*  *Information from OAM to participating nodes in the NG-RAN allowing for the identification of a continuous MDT process are provided in the form of specific MDT TR(s).*  *Solution for continuous MDT shall not have an impact on the 5GC in R19 from RAN3 perspective.*  *Agree to use TR(s) and TRSR(s) to resolve the MDT measurement correlation problem.*  *Split architecture*  *Introduce new IE to include DL and UL Packet Loss Rate at PDCP Level in R19 refer to SA5 spec*  *DL/UL UE Throughput Measurement will not be supported in split architecture in R19.*  *Introduce the start and stop indication over F1 for Delay measurement.*  *Introduce Data Collection ID in UE associated messages over E1*  *Assign new BL CR for TS38.425 Nokia*  *Turn WA to agreement: Using the Legacy procedure, i.e., resource status initiation procedure & resource status report procedure to request and report measured EC over F1 interface.* | | |
| **12. Additional topological enhancements for NR WI (RAN3-led)**  WID [NR\_WAB\_5GFemto-Core]: [RP-243009](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_106/Docs/RP-243009.zip) (target: RAN #109) [TU: 1.5] | | |
| 12.1. General *Work plan, BL CRs* | | |
| **12.2. Wireless Access Backhaul (WAB)**  **QUOTA: 2**  *Specifications for the support of WAB including [RAN3]:*   * *Support of a WAB-node including a WAB-gNB and a WAB-MT.* * *Support of backhauling of the WAB-gNB’s NG, Xn and OAM traffic over the WAB-MT’s PDU session(s).* * *Support of Xn interface(s) by the WAB-gNB with the WAB-MTs serving BH RAN node and with other surrounding gNBs, including how to avoid setting up Xn between WAB-gNBs.* * *Defining the behaviour of WAB-node in case the authorization status of WAB-MT and/or WAB-gNB changes.* * *Network integration procedures for WAB nodes.* * *Handling of WAB-gNB’s traffic (including Xn, NG and OAM traffic) during WAB-node mobility, including the case where the WAB-MT’s BH PDU session changes.* * *Support the UE’s AMF change for UEs connected to, or camped on, a WAB-gNB.* * *UE’s ULI that reflect the WAB node’s location.* * *The handling of:*   *- PCI collision avoidance.*  *- Reconfiguration of TAC and RANAC on WAB-gNBs.*  *- Mechanisms to avoid multi-hop WAB topology.*  *- Radio-resource coordination between access and backhaul links.*  *- NG connection management.*  *NOTE 1: For PCI collision avoidance and reconfiguration of TAC and RANAC on WAB-gNBs, follow the conclusion of mobile IAB.*  *NOTE 2: NG connection management should take the NTN conclusion into account, avoiding parallel discussions.*  *NOTE 3: No impact on the UE.*  *NOTE 4: Coordination with other WGs (e.g. SA2, RAN2) when needed.*  *NOTE 5: Backhaul link for WAB-MT can be TN or NTN.*  *NOTE 6: Mobility procedures to be used for the UEs served by a WAB-gNB are legacy UE mobility procedures. Mobility of the WAB-MTs is based on legacy UE mobility procedures.*  *NOTE 7: The interface between the WAB-MT and the co-located WAB-gNB is out-of-scope for the normative phase.*  *NOTE 8: Split architecture of the WAB-gNB is out-of-scope for the normative phase.*  *NOTE 9: RAN2 impact should be identified as early as possible, and should be minimal.*  *From RAN3#128:*  *The “WAB-MT ID” sent from the WAB-gNB to the BH-gNB consists of the WAB-MT’s C-RNTI assigned by the BH-gNB and the cell id of BH-gNB´s cell serving the WAB MT.*  *It is possible to establish an Xn connection between two WAB-gNBs. It is possible to prevent establishment of such connections.*  *The WAB-gNB should be notified about the target BH-gNB before the WAB-MT HO.*  *The BH-gNB can provide the TNL information of neighbour gNBs to the WAB node.*  *Adopt the following principles for WAB resource coordination:*   * *The specifications shall not define any priority between the WAB-gNB or the BH-gNB on how to split resources.* * *It needs to be further discussed if time domain and/or frequency domain coordination is supported* * *It needs to be further discussed if indication of soft resources (the “S” in HSNA) is supported.* * *It needs to be further discussed if only the WAB-gNB should be able to indicate the hard/not available resource allocation.* * *It is FFS whether to send an LS to RAN1/RAN2 on the above “to be continued” points*   *If non-terrestrial link is used between WAB MT and BH gNB and/or between BH gNB and BH CN, the WAB-gNB informs UE’s CN that the BH includes a non-terrestrial link.*  *FFS how a WAB node know the BH-gNB is using a non-terrestrial link. Possible options include BH-gNB informs WAB-gNB via Xn.* | | |
| **12.3. 5G Femto**  **QUOTA: 2**  *The objectives of the 5G Femto work are as follows:*   * *Specification to support NR Femto architecture with optional NR Femto GW for NG interface [RAN3].* * *Specification to support access control for NR Femtos operating in open, hybrid and closed modes reusing existing CAG functionality [RAN3].*   *NOTE 10: For NR Femto access control, only stage 2 impact is expected on this objective.*  *NOTE 11: Coordination with other WGs (e.g. SA2, SA3) when needed.*  *From RAN3#128:*  *Agree to capture security aspects confirmed by SA3 in a TP to the BLCR to TS38.300*  *To be continued: discuss and converge on the text for a TP to the BLCR to TS38.300*  *To be further discussed: whether to send a specific Femto indication in the NG: Initial UE message, from NR Femto to enable control of sending Allowed PNI NPN List or not.*  *Agree to adopt the term NR Femto Node and reflect that in a revision of R3-253450.*  *RAN3 to replace the term “requested S-NSSAI” with “requested NSSAI” in the BL CR to TS 38.413.* | | |
| **13. NR Mobility Enhancements WI**  WID [NR\_Mob\_Ph4-Core]: [RP-250339](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 3** | | |
| 13.1. General *Work plan, BL CRs* | | |
| 13.2. Support for inter-CU LTM *Specify support for inter-CU Layer1/Layer 2 Triggered Mobility (LTM) [RAN2, RAN3]*   * *Prioritize the case when CU is acting as MN when DC is not configured* * *When DC is configured, inter-CU LTM can be configured either in MN or in SN but not both at the same time. For such cases:* * *As secondary priority, support the case where CU is acting as SN and MN is unchanged* * *As secondary priority, support the case where CU is acting as MN and SN is unchanged or SN is released* * *Specify support for subsequent LTM mobility procedures aiming to avoid RRC configuration between cell switches as per Rel-18 LTM* * *Coordination with SA3 needed with respect to security key handling*   *Note: Rel. 18 intra-CU LTM procedure is considered as baseline for adding inter-CU support*  *From RAN3#128:*  Inter-CU LTM:  *WA: RAN3 agrees that, for both F1AP and XnAP, the activation and deactivation of CSI-RS transmission in LTM candidate cells are performed at the level of individual CSI-RS Resource IDs.*  *Add description in Stage 2 TS 38.401 for describing that CU can request Candidate DU to provide CSI-RS configuration in UE CONTEXT SETUP REQUEST message, and Candidate DU signals the CSI-RS configuration in UE CONTEXT SETUP RESPONSE message.*  *For Inter-CU LTM, LTM CONFIGURATION UPDATE procedure is per node level basis with a list of cells, and security key is per cell.*  *Remove Note in TS 38.300 BL CR “Editor’s Note: step 6 and 7 are optional.”*  Inter-CU LTM in DC:  *Update the text description of CELL SWITCH NOTIFICATION message to capture the RAN3#127bis agreement: Include the target PSCell ID and corresponding TCI State ID(s) in the Cell Switch Notification message, and reusing the existing IEs.*  *Update the TA INFORMATION TRANSFER message to provide a list of TA values of multiple candidate cells.*  *The SCG reference configuration is provided by an implicit way in the CG-Config RRC container in the SN Change Required message. FFS on the SN Addition Request Acknowledge message from the source SN/candidate SN to the MN.*  *The SCG reference configuration is provided by an implicit way in the CG-ConfigInfo RRC container in the SN Addition Request message from the MN to the candidate SN.*  *A per cell indicator indicating complete candidate configuration is included in the SN Addition Request Acknowledge message.*  *The SN Change Required message and the SN Modification Request message from MN to source SN should design a mechanism to support multiple candidate SNs, i.e., SN can include multiple candidate SNs information in a single SN Change Required message, and MN includes multiple candidate SNs information in a single SN Modification Request message.*  *The SN Addition Request message should design a mechanism to support single candidate SN, i.e., MN sends SN addition request towards only one candidate SN.*  *Update the online agreement to: CU can request Candidate DU to provide CSI-RS configuration in UE CONTEXT SETUP REQUEST and UE CONTEXT MODIFICATION REQUEST message, and Candidate DU signals the CSI-RS configuration in UE CONTEXT SETUP RESPONSE and UE CONTEXT MODIFICATION RESPONSE message.*  *Reuse the CSI-RS coordination procedure over F1AP and XnAP for source gNB/gNB-DU to activate or deactivate the SP CSI-RS resource for CSI acquisition in candidate cell.*  *In Xn interface, candidate gNB provides the LTM CFRA Resource Configuration of each candidate cell to source gNB for LTM cell switch command generation.*  *Source gNB generate the UE Based TA Measurement Configuration, and transfer it to all candidate gNB(s) via LTM Configuration Update message.*  *Include the Rel-19 set IDs of source cell and each candidate cell(s) in UE Context Modification Request message. Introduce Rel-19 set IDs into LTM Security Information IE.*  *FFS on the Rel-19 Set ID(s) assignment among CUs, down select from Option1 and Option2:*  *Option 1: Source gNB sends the Rel-19 Set ID(s) or Rel-19 set ID range assigned to the candidate gNB in the HANDOVER REQUEST message, then candidate gNB assigns Rel-19 set ID(s) to its own candidate cells and feedback via HANDOVER REQUEST ACKNOWLEDGE message.*  *Option 2: Candidate gNB provides Rel-19 set ID per candidate cell in HANDOVER REQUEST ACKNOWLEDGE message, then source gNB may update the Rel-19 set ID to ensure that the Rel-19 set IDs under different candidate gNB-CU are different.*  *FFS on the procedure to be used for source gNB to transfer Rel-19 set ID per candidate cell to the candidate gNB.*  *FFS on whether gNB-DU/gNB provides the report type (periodic or semi-persistent) of the CSI-RS resources in both F1AP and XnAP.*  *FFS on whether the TCI State/QCL-info List needs to be included in CSI-RS COORDINATION procedure.*  *FFS on whether to include the SP CSI-RS and SSB mapping in the HANDOVER REQUEST ACKKNOLEDGE message and UE Context Modification Request message.*  *FFS on whether to add a new IE for SP CSI-RS resource for CSI acquisition in the corresponding procedure of SP CSI-RS resource for L1 RSRP measurement in F1AP and XnAP.*  *The suggested PSCell list should be explicitly included in the SN Change Required message.*  *The maximum number of PSCells that can be prepared by each candidate SN is included in the SN Change Required message.*  *The LTM Configuration ID Mapping List IE may be included in the SN Change Required message and the SN Addition Request message.*  *The LTM Security Configuration List IE including a list of pair of {security key, sk-counter} is included in the SN Addition Request message and the SN Modification Request message to support subsequent inter-CU SCG LTM.*  *The SN Security Key IE included in the SN Addition Request message should be ignored if the procedure is triggered for the LTM.*  *WA: Different candidate PSCells in the same SN can have different Rel-19 set IDs. FFS on the solutions. Try to reuse the same solution for inter-CU LTM.*  *If the source SN has the SCG reference configuration, the source SN will provide the SCG reference configuration in the SN Change Required message and thus the MN will not request source SN to provide the SCG reference configuration.*  *Early data forwarding is supported in inter-CU LTM in DC.*  *Normal data forwarding can be initiated after the source SN decides to trigger the LTM cell switch for the UE. The exact timing of its initiation is left to implementation.*  *Enhance XN-U ADDRESS INDICATION message and define IE to cover Inter-CU MCG LTM case. FFS on Inter-SN LTM case.*  *MN uses SN modification request message to notify the Source SN that UE has successfully accessed to the target SN. FFS whether Handover Success is used from the target-SN to the MN to notify that UE has successfully accessed to the target SN.*  *The source SN generates the common LTM CSI resource configuration for inter-CU SCG LTM and then provides the common LTM CSI resource configuration to the MN via the SN Modification Request ACK message.*  *For the SSB based L1 measurement, the common CSI resource configuration may be included in the SN Change Required message and the SN Addition Request message.*  *The CSI Resource Configuration IE is the common CSI resource configuration, which refers to the ltm-CSI-ResourceConfig-r18 IE in the RRC spec.*  *The L1 Configuration IE is the L1 RS configuration per candidate PSCell, which refers to the ltm-SSB-Config-r18 IE in the RRC spec for the SSB based L1 measurement, or the ltm-NZP-CSI-RS-ResourceConfigToAddModList-r19 IE associated with the ltm-NZP-CSI-RS-ResourceSetToAddModList-r19 IE in the RRC spec for the CSI-RS based L1 measurement.*  *For the avoidance of simultaneous configurations of inter-CU MCG LTM and inter-CU SCG LTM, no RAN3 impact is foreseen.*  *FFS on whether LTM modification/cancel related procedures are needed.*  *The SP CSI-RS activation/(de)activation for the inter-CU LTM in DC is deprioritized in rel-19.* | | |
| 13.3. Support for Conditional LTM *Specify support of conditional Intra-CU LTM [RAN2, RAN3, RAN1]*   * *Specify UE evaluated conditions for triggering LTM* * *Aim to support conditional LTM including subsequent LTM* * *Limit specifying the conditional LTM to the scenario where the UE is in non-DC*   *From RAN3#128:*  *RAN3 confirms that the network can trigger a LTM Cell Switch Command MAC CE towards a candidate cell with C-LTM candidate configuration.*  *The candidate (initial source) DU need to know the L1 C-LTM and the L3 C-LTM.*  *The DU needs to know to which other candidate cell(s) to generate the L1 execution condition for L1 C-LTM.*  *WA: To introduce one codepoint in the legacy LTM indicator IE, namely “C-LTM”.*  *WA: To introduce a new IE with a list of candidate cells for L1 execution condition.*  *It is acknowledged that the C-LTM indicator needs to be sent to the initial source DU for the very first C-LTM.*  *The candidate DU generates the TAT for its own candidate cells.* | | |
| **14. NR NTN Enhancements WI**  WID [NR\_NTN\_Ph3-Core]: [RP-243300](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_106/Docs/RP-243300.zip) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 14.1. General *Work plan, BL CRs* | | |
| 14.2. Support MBS broadcast service *Specify signaling of the intended service area of a broadcast service (e.g. MBS broadcast) via NR NTN [RAN2, RAN3]*   * *Specify SIB signaling to indicate the intended service area in case the satellite footprint covers a larger area. [RAN2]* * *Specify the necessary signaling between CN and NG-RAN. [RAN3]*   **RAN3 will not discuss the NTN PWS unless request by other WGs in R19.** | | |
| 14.3. Support of Regenerative payload *Support of regenerative payload [RAN3, RAN2, RAN4]*   * *Specify the support of gNB on board in TS 38.300* * *Specify, if needed, any necessary enhancements related to the intra and inter-gNB mobility, especially for Xn interface over feeder link or over ISL. [RAN3]*   *Note: if any additional necessary stage-3 specifications impact for e.g. NGAP is identified, RAN3 will handle it.*  **There is no consensus to discuss new NTN architecture now; wait for an LS from SA2 on this particular issue.**  **Legacy NG HO procedure can be reused for inter AMF HO for NTN regenerative payload.**  **Support RRC\_INACTIVE UE in NTN by implementation in R19.**  **No enhancements on location-based CHO for NTN in R19.**  **No new NGAP suspend/resume procedures in R19.**  *From RAN3#128:*  *WA: For regenerative payload, an indication to suspend or resume NG connection may be sent to AMF from gNB in the RAN Configuration Update procedure.*  *Check the use cases including Hard Feederlink Switch, other use cases to be further justified.* | | |
| 15. IoT NTN Enhancements WI WID [IoT\_NTN\_Ph3-Core]: [RP-250472](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 1** | | |
| 15.1. General *Work plan, BL CRs* | | |
| **15.2. Support Full eNB as Regenerative Payload**  *Support of Store&Forward (S&F) satellite operation with full eNB as regenerative payload, therefore:*   * *Define the necessary enhancements into E-UTRAN (network & UE) to support S&F operation for delay-tolerant services [RAN3, RAN2, RAN4]* * *Specify necessary enhancements for full eNB as regenerative payload e.g. related to S1 protocol, especially to address the feeder link switch over as needed [RAN3]*   *Note: Strive to minimise UE impact.*  *Note: Coordination with SA2 (Rel-19 SA2 led Sat-Arch ph3 SI) is needed on the detail requirements (e.g. traffic type, or QoS parameters for S&F), network architecture (e.g. whether consider (partial) core network on satellite) etc.; further coordination with CT1 might be required.*  **No support on the multiple SCTP association for IoT NTN.** | | |
| **16. Ambient IoT WI**  WID [Ambient\_IoT\_solutions-Core]: [RP-250796](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 1.5]  **QUOTA: 4** | | |
| 16.1. General *Work plan, BL CRs* | | |
| **16.2. RAN Architecture and Procedures**  *Specify necessary architectural aspects, and signaling and procedures between A-IoT RAN and A-IoT CN to support the A-IoT functions, assuming an architecture of aggregated gNB, including:*   * *Inventory and command operations*   *Note: The above A-IoT functions are supported over the existing NG interface, based on architecture(s) defined by RAN3/SA2.*  *From RAN3#128:*  *The new A-IoT Area is encoded as an A-IoT Area ID.*  *A-IoT Area ID = PLMN ID +NID(optional) + A-IoT Area Code (OCTET STRING (SIZE(3)))*  *One reader only belongs to one gNB.*  *One reader can map to one or multiple A-IoT Area ID(s).*  *One A-IoT Area may include readers belong to the same or different gNBs.*  *One gNB may serve multiple readers which belong to the same or different A-IoT Areas.*  *OAM configures in the AIOTF the mapping relationships among gNBs, readers and A-IoT areas, as needed.*  *Non-UE associated signalling principle and requirements applies to A-IoT related signalling.*  *Introduce new CN triggered Class 1 Session Release procedure, which includes A-IoT SESSION RELEASE REQUEST message and A-IoT SESSION RELEASE RESPONSE message.*  *Turn WA to agreement “NGAP: Command Request procedure is a per single device procedure, and no need to have a Command Report procedure.”*  *In case of indirect connectivity, allow parallel sessions between gNB and AMF.*  *In case of indirect connectivity, allow parallel Command procedures for different devices between gNB and AMF within the same session.*  *CN A-IoT Device NGAP ID is not needed.*  *Define the Expected D2R Message Size IE in Inventory Request Transfer IE. FFS on the detail encoding.*  *Remove the FFSs on the presence of Cause IE in the INVENTORY FAILURE message and the COMMAND FAILURE message.*  *FFS on the detail encoding of the A-IoT Correlation Identifier IE? Wait for further inputs from CT4.*  *FFS on the detail encoding of the AIOTF Identifier IE? Refer to the NfInstanceId IE defined in TS 29.571?*  *Define the A-IoT Device Identification Requested IE as CHOICE type, with three branches:*   * *single device inventory: OCTECT STRING refer to Device Identifier* * *group devices inventory: FFS on the encoding* * *all devices inventory: NULL*   *Define the Estimate of Expected D2R Message Size IE in the Command Assistance Information IE as INTEGER (1..128, …) unit: byte. Add the semantic description that this IE refers to NAS PDU size.*  *Details of the Reader Location is out the scope of RAN3.*  *Reader Selection refers to SA2 TS 23.369 clause 5.3.3. Further check is needed.*  *It is FFS to introduce Command Type (write, read, disable) in Command Request Transfer.*  *It is FFS on the Time Interval as assistance information in the Inventory Request message. Clarify with SA2 on the usage of this information in NG-RAN node.*  *RAN A-IoT Information will not be provided over NGAP from NG-RAN node to AIoT CN.*  *Turn WAs to agreement “Include the Correlation Identifier IE outside of the Inventory related Transfer IEs in all the Inventory related messages.” “Include the Correlation Identifier IE in both inside and outside of the Command related Transfer IEs in all the Command related messages.”*  *Include RAN NGAP Device ID outside of the containers in the Command related messages.*  *Mandatorily include the Expected D2R Message Size in Inventory Request Transfer? Check progress in SA2.*  *In the case of Inventory only scenario, introduce Inventory Complete indication to inform the AIoT CN about the complete of the triggered Inventory session. FFS on the detail about Inventory Complete indication via new procedure or introducing indication IE in current Inventory Report message.*  *In the case of Command after Inventory scenario, whether need to introduce the complete indication needs to be further checked.*  *Introduce a class2 procedure to allow NG-RAN node to trigger Session Release procedure towards AIoT CN.*  *WA: Define the A-IoT Support IE in the NG Setup Request as ENUMERATED (A-IoT only, A-IoT and NR Uu, …)*  *Whether to have A-IoT Support Indicator in the NG SETUP RESPONSE message?* | | |
| **16.3. Location Report**  *- Device location reporting at reader ID granularity*  **The AIoT location report objective is completed.** | | |
| **17. Network ES Enhancements WI**  WID [Netw\_Energy\_NR\_enh-Core]: [R3-251678](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 3 (was 2)** | | |
| 17.1. General *Work plan, BL CRs* | | |
| **17.2. Support on-demand SSB SCell operation**  *Specify procedures and signaling method(s) to support on-demand SSB SCell operation for UEs in connected mode configured with CA, for both intra-/inter-band CA. [RAN1/2/3/4]*   * *Specify triggering method(s) (select from UE uplink wake-up-signal using an existing signal/channel, cell on/off indication via backhaul, Scell activation/deactivation signaling)* * *Note1: On-demand SSB transmission can be used by UE for at least SCell time/frequency synchronization, L1/L3 measurements and SCell activation, and is supported for FR1 and FR2 in non-shared spectrum.* | | |
| **17.3. Support on-demand SIB1 for UEs**  *Specify support for on-demand SIB1 for UEs in idle/inactive mode [RAN1/2/3]*   * *Specify procedures and signaling method(s) for Case 2 [RAN1/2]* * *Case 2: UE obtains UL WUS configuration from Cell A, UE transmits UL WUS on NES Cell, UE receives on-demand SIB1 from NES Cell* * *Triggering method by UL WUS using PRACH* * *Specify inter NG-RAN node signalling at least for the configuration of UL WUS [RAN3]*   *Note 1: No modification of SSB will be discussed under this objective*  *Note 2:*   * *UL WUS: Uplink wake-up signal* * *Cell A: A cell that is periodically transmitting at least its own SIB1* * *NES Cell: A cell that may transmit SIB1 transmission in response to UL WUS from a UE*   *From RAN3#128:*  *One “Provision Request message includes one “OD-SIB1 config R19” referring to the TS 38.331 definition, it is a RRC Container in octet string (presence M) + one NES Cell ID (presence M ) + one Cell-A ID (presence O )*  *Cell A gNB-CU encoding the SIBxx.*  *The NES gNB-CU sends the indication to NES gNB-DU. The NES gNB-DU MAY go to OD-SIB 1 operation up to gNB-DU decision.* | | |
| **17.4. Others**  *e.g., common signal/channel transmissions pending to progress in other WGs* | | |
| 18. NR Low Power WUS/WUR WI WID [NR\_LPWUS-Core]: [RP-251200](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 18.1. General *Work plan, BL CRs* | | |
| 18.2. Support LP-WUS Indicating Paging Monitoring *For IDLE/INACTIVE modes:*  *Specify procedure and configuration of LP-WUS indicating paging monitoring triggered by LP-WUS, including at least configuration, sub-grouping and entry/exit condition for LP-WUS monitoring (RAN2, RAN1, RAN3, RAN4)*  *From RAN3#128:*  *(TP To BL CR for TS 38.300) support of homogeneous deployment for LP-WUS in R3-253831 noted, wait for reply LS from SA2 To be continued...*  *FFS on the range of LP-WUS CN Subgroup ID IE included in LP-WUSPS Assistance Information pending on RAN1 decision on which subgroup ID(s) would be reserved for common codepoint.* | | |
| **19. Evolution of Duplex Operation WI**  WID [NR\_duplex\_evo-Core]: [RP-251874](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 19.1. General *Work plan, BL CRs* | | |
| 19.2. Support CLI Handling *Information exchange among gNBs, including [RAN3]*   * *Semi-static cell-specific SBFD time and frequency location configuration* * *Measurement resource configuration, i.e., SSB and/or periodic NZP CSI-RS* * *Strongest DL beam information* * *CLI-mitigation request* * *One or more SRS resource configurations* | | |
| 20. AI/ML for Air Interface WI WID [NR\_AIML\_air-Core]: [RP-251186](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 20.1. General *Work plan, BL CRs* | | |
| 20.2. Support Positioning Accuracy Enhancements *Positioning accuracy enhancements, encompassing [RAN1/RAN2/RAN3]:*   * *Direct AI/ML positioning:* * *Case 1: UE-based positioning with UE-side model, direct AI/ML positioning* * *Case 3b: NG-RAN node assisted positioning with LMF-side model, direct AI/ML positioning* * *AI/ML assisted positioning* * *Case 3a: NG-RAN node assisted positioning with gNB-side model, AI/ML assisted positioning* * *Specify necessary measurements, signalling/mechanism(s) to facilitate LCM operations specific to the Positioning accuracy enhancements use cases, if any* * *Investigate and specify the necessary signalling of necessary measurement enhancements (if any)* * *Enabling method(s) to ensure consistency between training and inference regarding NW-side additional conditions (if identified) for inference at UE for relevant positioning sub use cases*   **Consider aggregated gNB case first, then split architecture.**  *From RAN3#128:*  *Define the Positioning Data Collection Needed IE as a new bitmap. The requested information in the bitmap is timing measurement (UL-TDOA, gNB Rx-Tx Time Difference) together with optional LoS/NLoS indicator.*  *FFS if UE location can be requested.*  *The Positioning Data Collection Needed IE is introduced in the MEASUREMENT REPORT message.*  *Introduce POSITIONING DATA COLLECTION REPORT message as class 2 procedure including Positioning Data Information IE and RAN/LMF Measurement IDs*  *Introduce an optional Positioning Data Unavailable IE (FFS on encoding) when the Positioning Data Information IE is absent in the POSITIONING DATA COLLECTION REPORT message. The codepoints indicating the reason.*  *RAN3 confirms that Performance monitoring is done in the RAN in case 3a.*  *RAN3 confirms the WA: For case 3a data collection, Part A is known internally by the gNB and is not signalled over any network interface.*  *Introduce the new flag “Inferred measurement” in the TRP Measurement Result to align with RAN1 conclusion*  *FFS: if LMF should specifically request for AIML inferred measurement.* | | |
| 21. NR XR Enhancements WI WID [NR\_XR\_Ph3-Core]: [RP-250107](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 21.1. General *Work plan, BL CRs* | | |
| **21.2. Support XR in DC**  *Extend Release 18 standalone mechanism to support NR-NR dual connectivity as follows [RAN3]*   * *PDU set based handling* * *ECN marking* * *Burst Arrival Time reporting, if needed* * *PSI Discard coordination, if needed*   *Note: No RAN2 impact from above items*  **XR for NR-DC is completed in RAN3.** | | |
| **21.3. Others**   * *Support and specify multi-modality awareness for QoS flows in both DL and UL RAN [RAN3]:* * *Specify uplink congestion signalling [RAN2, RAN3]:* * *Specify in MAC layer XR rate control signalling over downlink per QoS flow/per DRB and the associated F1 signalling, if any, to enable faster source rate adaption to uplink congestion.* * *Support of PDU set based QoS handling enhancement [RAN3]:* * *Support of DL PDU Set marking without PDU Set QoS* * *Support of Alternative PDU Set QoS, which may contain UL and/or DL PDU Set QoS Parameters (i.e. UL PSDB, DL PSDB, UL PSER and/or DL PSER).* * *QoS Handling when Traffic Characteristics Change Dynamically [RAN3]* * *TTNB and burst size to be provided over GTP-U* * *Support of exposure of available data rate [RAN3]*   *Note: Coordination with SA2, as needed*  *From RAN3#128:*  *CU sends the uplink rate control indication per QoS flow over F1 to DU.*  *Other additional assistance information from CU to DU?*  *- Recommended UL bit rate infor per QoS flow*  *- Measured bit rate per QoS flow*  *- No additional information*  *No NGAP signaling enhancement is needed for the support of non-homogeneous deployment?*  *Introduce a F1AP IE, similar to NGAP Indication of Bitrate Adaptation IE.*  *Reuse the existing PDCP discard indication in F1-U to indicate the gNB-DU to stop the transmission/retransmission of a RLC SDU or the segment of a RLC SDU. FFS on how to capture this agreement.*  *For uplink, FFS on whether/how gNB-DU can configure the autonomous retransmission and/or enhanced polling thresholds for the DRB.*  *For downlink, FFS on whether/how enhance Signalling between CU and DU to support timely retransmission.* | | |
| **22. NR Sidelink Multi-hop Relay WI**  WID [NR\_SL\_relay\_multihop-Core]: [RP-250188](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| **22.1. General**  *Work plan, BL CRs* | | |
| **22.2. Support multi-hop Layer-2 UE-to-Network relay**  *Specify solutions that are needed to support multi-hop Layer-2 UE-to-Network relay for a single indirect path via SL relay UEs based on Rel-17/18 SL relay functionalities [RAN2, RAN3]*   1. *Specify mechanisms to support up to two additional hops relays on top of Rel-17 U2N relay. The work started with one additional hop relay (i.e., remote UE -> first relay UE -> last relay UE -> gNB) and it is concluded in RAN#107 that the work is extended to two additional hops relays (i.e., remote UE -> first relay UE -> second relay UE -> last relay UE -> gNB). A necessary criterion for the specified mechanisms is to be forward compatible for future extensions for additional relays.*    1. *Relay discovery and (re)selection [RAN2]*    2. *Signalling support for relay UEs and remote UE authorization if SA2 concludes it is needed [RAN3]*    3. *Impact on SRAP and QoS handling for multi-hop [RAN2]*    4. *Control plane procedures [RAN2, RAN3]*   *From RAN3#128:*  *Reuse the Peer UE ID IE as counterpart information with the update for the semantics description.*  *WA: RAN3 supports that the remote UE local ID uniquely identifies a multi-hop remote UE within the last relay UE.*  *FFS whether the same PC5 RLC channel ID can be allocated toward the parent UE and child UE.*  *FFS whether upon the reception of the RRCSetupRequest message, the gNB-DU needs to know that which Relay UE is the First Relay UE of the U2N Remote UE to configure lower layer configuration of Remote UE’s SRB1.*  *FFS whether to enhance the F1 signaling to support the multiplexing of PC5 Relay RLC channel is needed can be further discussed in next meeting.* | | |
| 23. LTE-based 5G Broadcast WI WID [LTE\_terr\_bcast\_Ph2-Core]: [R3-250794](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]  **QUOTA: 2** | | |
| 23.1. General *Work plan, BL CRs* | | |
| **23.2. Signalling Support**  *For MBMS-dedicated cells, specify time-frequency interleavers [RAN1] and corresponding signaling [RAN2, RAN3]*  *From RAN3#128:*  *MCE decides the TFI and the configuration of TFI, and indicates the configuration of TFI to the eNBs.*  *Regarding parameters configuration for TFI, per PMCH configuration is adopted in RAN1.* | | |
| 31. Corrections and Enhancements to Rel-19 [TU: 0.5] (shared with AI 9)  **QUOTA: 2** | | |
| 31.1. Corrections | | |
| 31.2. Enhancements | | |
| 31.3. Endorsed TEI19 CRs Review *Resubmission of previously endorsed Rel-19 TEI CRs.*  **Quota free** | | |
| 32. Any other business | | |
| 33. Closing of the meeting | | |

**Conference Calls Schedule (tentative)**

**Only delegates registered to the meeting will receive invitations to conference calls  
All times are local time**

**For sessions longer than 2 h, there will be a 5-10 min. break in the middle of the session**

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| --- | --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |  |
| 0800  0830 | **0900 START OF MEETING** | Offline\* | Offline\* | Offline\* | Offline\* |  |
| Corrections: AI 9/31\* | Offline\* | Offline\* | Offline\* |
| 0900 | Org: AI 1-8 | AI RAN WI: AI 11 | Mobility Enh WI: AI 13  G | NR NTN WI: AI 14  IoT NTN WI AI 15  Network ES WI: AI 17 | **CBs** |  |
| *1030~1100* | *Coffee Break* | | | | |  |
|  | AI 8 (cont.)  Corrections: AI 9 | AI RAN WI: AI 11 | Topological enhancements WI: AI 12 | SON/MDT WI: AI 10  L | **CBs** |  |
| *1300~1430* | ***Lunch Time*** | | | | |  |
|  | Corrections: AI 9 | Ambient IoT WI: AI 16 | Topological enhancements WI: AI 12  XR WI: AI 21 | SON/MDT WI: AI 10  L  Early CBs  All CBs in AI8, AI9, AI31 will be treated | **CBs**  **END OF MEETING** |  |
| *1630~1700* | *Coffee Break* | | | |  |  |
|  | Corrections: AI 9/31  Duplex WI: AI 19 | Ambient IoT WI: AI 16  AI PHY WI: AI 20 | LP WUS WI: AI 18  SL Relay WI: AI 22  G | Early CBs |  |  |
|  |  |
| 1900  2000 |  | LTE MBS WI: AI23 |  |  |  |  |
|  |  |  |  |  |  |

blue Study Items  
L, G chaired by Vice-Chairs  
highlighted changed ~~strikethrough~~ not treated  
\* if needed

Future meeting dates

|  |  |  |  |
| --- | --- | --- | --- |
| ***Title*** | ***Dates*** | ***Venue*** | ***Location*** |
| RAN3#129 | 25 – 29 Aug 2025 | F2F Meeting | Bengaluru |
| RAN#109 | 15 – 18 Sep 2025 | F2F Meeting | Beijing |
| RAN3#129bis | 13 – 17 Oct 2025 | F2F Meeting | Prague |
| RAN3#130 | 17 – 21 Nov 2025 | F2F Meeting | Dallas |
| RAN#110 | 8 – 11 Dec 2025 | F2F Meeting | Baltimore |

**Agenda color coding**

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| --- |
| **10. Agenda Item** |
| **10.x. Sub Agenda Item**  **QUOTA: 5** |
| **10.x.1. Sub-sub Agenda Item** |
| 10.x.1.1. Sub-sub-sub Agenda Item |
| **TOPIC GROUPING (used to group and highlight a topic, but it is not an Agenda Item)** |
| 10.x.1.2. Sub-sub-sub Agenda Item |

Agenda Items that are greyed-out are not expected to be treated at this meeting.

**QUOTA:** Each company may submit up to *n* contributions to the Agenda Item where this number appears. This number applies to the *sum* of all Tdocs submitted to *all* the sub-Agenda Items. In the example above, a company may submit up to 5 contributions to AI 10.x in any combination: e.g. up to 4 to 10.x.1.1 and up to 1 to 10.x.1.2, or up to 3 to 10.x.1.1 and up to 2 to 10.x.1.2, and so on.

**Chair’s notes color coding**

|  |  |  |
| --- | --- | --- |
| R3-xxxxxx | Available but not yet treated document |  |
| R3-xxxxxx | This document has low priority |  |
| R3-xxxxxx | This document was not available at submission deadline or withdrawn |  |
| R3-xxxxxx | The quota for at least one of the sourcing companies was exceeded in this AI. This document is to be considered withdrawn and will not be treated. |  |
| R3-xxxxxx | This document was treated and either noted or merged. | Chair notes  **Noted** – TDoc has been presented, no specific action results.  **Merged** – TDoc is combined with one or more others and presented in a new, composite TDoc that is typically agreed or endorsed. |
| R3-xxxxxx | This document was treated and had a favorable conclusion. | Chair notes  **Approved –** used for Report, Agenda, and LS out  **Agreed** **–** used for CR to be sent to RAN, or TDoc to be merged in a BL CR or TR  **Endorsed** **–** used for CR to be agreed by other WG e.g. TS 38.300, and for BL CR or TR subject to TDoc allocation by MCC for next meeting |
| R3-xxxxxx | Request for ComeBack (CB) during the meeting | Chair notes  **CB # n\_FolderName**  **- comments**  (Company - moderator) |
| R3-xxxxxx | Open issue which might require further clarification in next meeting | Chair notes  **Comments (no agreement)** |
| R3-xxxxxx | E-mail discussion (typically after the meeting) | Chair notes  **Email#01**  Deadline  (Company) |
| R3-xxxxxx | Agreed proposal, e.g. working assumption, tdoc proposal, etc. | Chair notes  **Agreed proposal** |
| R3-xxxxxx | “To be continued” discussion: there was no agreement at this meeting and the discussion may continue at the next meeting | Chair notes  **To be continued** |
| R3-xxxxxx | Important warning for consideration | Chair notes  **Important warning for consideration** |